

(19) World Intellectual Property
Organization
International Bureau



550 884

(43) International Publication Date
14 October 2004 (14.10.2004)

PCT

(10) International Publication Number
WO 2004/087533 A1

(51) International Patent Classification⁷: **B65D 83/20**

(21) International Application Number:
PCT/EP2004/003235

(22) International Filing Date: 24 March 2004 (24.03.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0307445.7 31 March 2003 (31.03.2003) GB

(71) Applicant (for all designated States except US): **GLAXO GROUP LIMITED** [GB/GB]; Glaxo Wellcome House, Berkeley Avenue, Greenford, Middlesex UB6 0NN (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **MACLEOD, Andrew** [GB/GB]; PA Consulting Group, Cambridge Technology Centre, Melbourn, Hertfordshire SG8 6DP

(GB). **MASSARI, Louis, Anthony** [GB/GB]; PA Consulting Group, Cambridge Technology Centre, Melbourn, Hertfordshire SG8 6DP (GB).

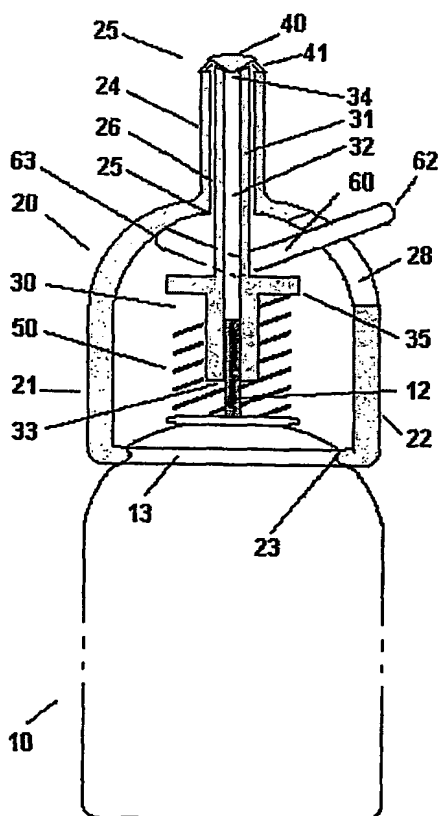
(74) Agent: **WALKER, Ralph, Francis**; GlaxoSmithKline, Corporate Intellectual Property (CN925.1), 980 Great West Road, Brentford, Middlesex TW8 9GS (GB).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH,

[Continued on next page]

(54) Title: ACTUATOR CAP FOR AEROSOL



(57) Abstract: A dispenser for a foamable composition comprising a pressurised container containing the foamable composition and having a valve (12), with an actuator (20) mounted on the container. The actuator comprises a flow conduit (31) mated with the valve stem, and which is displaceable upon the application of actuating force to the actuator to bear upon the valve stem to actuate the valve stem, with a closure (40) adjacent to the dispensing opening of the conduit. In the absence of actuating force the conduit is biased closed against the closure. On the application of actuating force to the flow conduit the flow conduit is displaced to actuate the valve stem and to be displaced out of its closed relationship with the closure. The actuator can reduce post foaming of the composition.

WO 2004/087533 A1



GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.